

**REMARKS**

Reconsideration and allowance of the above-identified application are respectfully requested. Claims 1-7 are now pending, wherein claims 1 and 2 have been amended and claim 7 has been added. Support for the amendments to claims 1 and 2, and for new claim 7 can be found in the present application at least at page 7, lines 9-14 and Fig. 3.

Initially, it is noted that the header of the rejections do not indicate that claim 6 is rejected, while the Office Action Summary indicates that claim 6 is rejected. Accordingly, Applicants' respectfully request clarification of the status of claim 6.

Claims 4 and 5 are rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent Application Publication No. 2003/0179320 to Kim ("Kim"). This ground of rejection is respectfully traversed.

Kim does not anticipate claim 4 because Kim does not disclose all of the elements of Applicants' claim 4. For example, Kim does not disclose that when the channel information has not been analyzed for a particular channel, channel information for the particular channel is displayed with a sub-channel number with a predetermined descriptor.

Kim discloses an apparatus and method for channel searching. In response to receiving an auto channel search key input (S11), the apparatus scans all channel to determine whether a broadcast signal is present (S13). Fig. 2. The apparatus can output a display of the channel numbers. Figs. 5A and 5B. Before the search is performed, the channel numbers stored in the channel list are indicated by a black color, and when the search is performed a corresponding channel number is

indicated by a yellow color. Paragraph 0022. Channel numbers having a broadcast signal are indicated by a red color, and channel numbers for digital signals are indicated by a blue color. Paragraph 0022. For digital channels, video data transmitted with the broadcast signal can include the logo of a broadcast company, which can be displayed next to the corresponding channel number. Paragraphs 0023-0024.

However, Kim only discusses channel numbers, and does not disclose sub-channel numbers. It is noted that the bottom right-hand corner of Fig. 5B includes a channel number and illustrates "DGITAL 6-2". However, Kim does not describe this in the specification. Assuming, *arguendo*, that the "2" of the "6-2" is a sub-channel number, Kim does not disclose that this sub-channel number should be displayed with a predetermined descriptor, as recited in Applicants' claim 4.

Because Kim does not disclose all of the elements of Applicants' claim 4, Kim cannot anticipate Applicants' claim 4.

Claim 5 depends from claim 4, and accordingly, is patentably distinguishable over Kim for at least those reasons stated above with regard to claim 4.

For at least those reasons stated above, it is respectfully requested that the rejection of claims 4 and 5 be withdrawn.

Claims 1-3 are rejected under 35 U.S.C. § 103(a) as being obvious in view of the combination of alleged admitted prior art and Kim. This ground of rejection is respectfully traversed.

The combination of the alleged admitted prior art and Kim does not render claim 1 unpatentable because the combination does not disclose or suggest all of the elements of Applicants' claim 1. For example, the combination does not disclose or

suggest that the channel information includes a predetermined descriptor in place of a sub-channel number when the channel information has not been analyzed and obtained in the current operation, and thus the sub-channel number cannot be designated based on the storage data stored in the memory.

As discussed above, Kim does not disclose that sub-channel number should be displayed with a predetermined descriptor. Moreover, Kim at most discloses changing the color of a channel number, and not including a predetermined descriptor in place of a sub-channel number as recited in Applicants' claim 1. The Office Action acknowledges that the alleged admitted prior art does not disclose a sub-channel including a predetermined descriptor when the sub-channel number cannot be designated. It is respectfully submitted that the alleged admitted prior art does not disclose or suggest including a predetermined descriptor in place of a sub-channel number, as recited in claim 1.

Because Kim and the alleged admitted prior art each do not disclose or suggest including a predetermined descriptor in place of a sub-channel number, the combination cannot render Applicants' claim 1 unpatentable.

Claim 2 recites that the channel information includes a predetermined descriptor in place of a sub-channel number when the sub-channel number cannot be designated. Accordingly, the combination of Kim and the alleged admitted prior art does not render Applicants' claim 2 unpatentable for similar reasons to those discussed above with regard to claim 1.

Claim 3 depends from claim 2, and hence, is patentably distinguishable over the combination of Kim and the alleged admitted prior art for at least those reasons stated above with regard to claim 2.

For at least those reasons stated above, it is respectfully requested that the rejection of Applicants' claim 1-3 as allegedly being obvious in view of the combination of the alleged admitted prior art and Kim be withdrawn.

If there are any questions regarding this amendment or the application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

If necessary to effect a timely response, this paper should be considered as a petition for an Extension of Time sufficient to effect a timely response, and please charge any deficiency in fees or credit any overpayments to Deposit Account No. 05-1323 (Docket #010482.50863).

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Respectfully submitted,



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